



# UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE  
United States Patent and Trademark Office  
Address: COMMISSIONER FOR PATENTS  
P.O. Box 1450  
Alexandria, Virginia 22313-1450  
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/670,728	09/26/2003	Teruaki Inaba	Q77530	6623

23373 7590 06/01/2005  
SUGHRUE MION, PLLC  
2100 PENNSYLVANIA AVENUE, N.W.  
SUITE 800  
WASHINGTON, DC 20037

EXAMINER
----------

DUNWIDDIE, MEGHAN K

ART UNIT	PAPER NUMBER
----------	--------------

2875

DATE MAILED: 06/01/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

## Office Action Summary

Application No.

10/670,728

Applicant(s)

INABA ET AL.

Examiner

Meghan K. Dunwiddie

Art Unit

2875

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

### Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

### Status

- 1) ☐ Responsive to communication(s) filed on \_\_\_\_.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

### Disposition of Claims

- 4) ☒ Claim(s) 1-13 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_ is/are withdrawn from consideration.
- 5) ☒ Claim(s) 7 is/are allowed.
- 6) ☒ Claim(s) 1, 4-6, 8, 12 and 13 is/are rejected.
- 7) ☒ Claim(s) 2, 3 and 9-11 is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_ are subject to restriction and/or election requirement.

### Application Papers

- 9) ☒ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 09/26/2003 is/are: a) ☐ accepted or b) ☒ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

### Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some \* c) ☐ None of:
- 1) ☒ Certified copies of the priority documents have been received.
  - 2) ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_.
  - 3) ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

### Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892).
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☒ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)  
Paper No(s)/Mail Date 09/26/2003.
- 4) ☐ Interview Summary (PTO-413)  
Paper No(s)/Mail Date. \_\_\_\_.
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: \_\_\_\_.

### **DETAILED ACTION**

This Office Action is a Non-Final Rejection in response to the application filed September 26, 2003 by **Inaba et al.**

#### ***Priority***

1. Receipt is acknowledged of papers submitted under 35 U.S.C. 119(a)-(d), which papers have been placed of record in the file.

#### ***Information Disclosure Statement***

2. The information disclosure statement (IDS) submitted on September 26, 2003 is in compliance with the provisions of 37 CFR 1.97, and accordingly, has been considered by the examiner.

#### ***Drawings***

3. The drawings are objected to as failing to comply with 37 CFR 1.84(p)(5) because they do not include the following reference sign(s) mentioned in the description: "under-coat layer 44" is incorrectly described in the specification as being shown in Figure 7.
4. Corrected drawing sheets in compliance with 37 CFR 1.121(d) are required in reply to the Office action to avoid abandonment of the application. Any amended replacement drawing sheet should include all of the figures appearing on the immediate prior version of the sheet, even if only one figure is being amended. Each drawing sheet

Art Unit: 2875

submitted after the filing date of an application must be labeled in the top margin as either "Replacement Sheet" or "New Sheet" pursuant to 37 CFR 1.121(d). If the changes are not accepted by the examiner, the applicant will be notified and informed of any required corrective action in the next Office action. The objection to the drawings will not be held in abeyance.

### ***Specification***

5. The disclosure is objected to because of the following informalities: on page 10 line 14 the applicant states the phrase "there available" when the applicant should state, "there are available".

Appropriate correction is required.

### ***Claim Rejections - 35 USC § 102***

6. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

4. Claims 1, 4-6, 8, 12 and 13 are rejected under 35 U.S.C. 102(a) as being anticipated by Murakoshi et al. (US).

5. In reference to Claim 1, **Murakoshi** et al. shows a resin member [Figure 3: (501)], comprising:

Art Unit: 2875

- A half-mirror evaporated layer [Figure 3: (505)] formed on a resin substrate [Figure 3: (501)] by spattering [See Figure 11: (S3) labeled as prior art of the application],
- And an aluminum evaporated layer [Figure 3: (503)] formed partially on the half-mirror evaporated layer [Figure 3: (505)],
- Wherein a portion with the aluminum evaporated layer [Figure 3: (503)] is formed to be a reflecting mirror face [Figure 3: (504)],
- And a portion without the aluminum evaporated layer [Figure 3: (503)] is formed to be a half-mirror face [Figure 3: (506)].

6. In reference to Claim 4, **Murakoshi** et al. shows:

- The half-mirror evaporated layer [Figure 3: (505)] is formed via an under-coat layer [Figure 3: (502)] on the resin substrate [Figure 3: (501)].

7. In reference to Claim 5, **Murakoshi** et al. shows:

- A protective film [Figure 3: (505)] is formed on the aluminum evaporated layer [Figure 3: (503)].

8. In reference to Claim 6, **Murakoshi** et al. shows:

- A vehicle lighting apparatus [Figure 1: (1)] comprising an extension [Figure 1: (6)] made of the resin member [Figure 3: (501)]

Art Unit: 2875

9. In reference to Claim 8, **Murakoshi et al.** shows a vehicle lighting apparatus

[Figure 1: (1)], comprising:

- A reflector part [Figure 3: (5)] and an extension [Figure 1: (6)],
- Wherein, at least on the extension [Figure 1: (6)], a half-mirror evaporated layer [Figure 3: (505)] is formed by sputtering [See Figure 11: (S3) labeled as prior art of the application].

10. In reference to Claim 12, **Murakoshi et al.** shows:

- An aluminum evaporated layer [Figure 3: (503)] is formed on the reflector part [Figure 3: (5)] via an under-coat layer [Figure 3: (502)] on the resin substrate [Figure 3: (501)],
- And the half-mirror evaporated layer [Figure 3: (505)] is formed on the extension [Figure 1: (6)].

11. In reference to Claim 13, **Murakoshi et al.** shows:

- The extension [Figure 1: (6)] is formed to be separate from the reflector [Figure 3: (5)].

#### ***Allowable Subject Matter***

12. Claims 2, 3, and 9-11 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

13. Claim 7 is allowed.

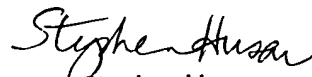
***Conclusion***

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Meghan K. Dunwiddie whose telephone number is (571) 272-8543. The examiner can normally be reached on Monday through Friday 8 am-4:30 pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Sandra O'Shea can be reached on (571) 272-2378. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

MKD

  
Stephen Husar  
Primary Examiner